

Application No. 10/647,055

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. **(Original)** A photoconductive imaging member comprised of a supporting substrate, a hole blocking layer thereover, a photogenerating layer, and a charge transport layer, and wherein the hole blocking layer is comprised of particles chemically attached on the surface of an electron transport component.
2. **(Original)** An imaging member in accordance with claim 1 wherein said particles are TiO_2 .
3. **(Original)** An imaging member in accordance with claim 1 wherein said particles are an oxide of tin, zinc, silicon or zirconium.
4. **(Original)** An imaging member in accordance with claim 1 wherein said particles are present in an amount of from about 70 to about 99.9 weight percent.
5. **(Original)** An imaging member in accordance with claim 1 wherein said electron transport component is present in an amount of from about 0.1 to about 30 weight percent.
6. **(Original)** An imaging member in accordance with claim 1 wherein said hole blocking layer is dispersed in a resin binder.
7. **(Original)** An imaging member in accordance with claim 1 wherein said electron transport component is *n*-butyl 9-dicyanomethylenefluorene-4-carboxylate (BCFM).

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8. **(Original)** An imaging member in accordance with **claim 1** wherein said electron transport component is *n*-butyl 4,5,7-trinitro-9-fluorenone-2-carboxylate (BTNF).

9. **(Original)** An imaging member in accordance with **claim 1** wherein said electron transport component is *N*-pentyl,*N'*-propylcarboxyl-1,4,5,8-naphthalenetetracarboxylic diimide (PPCNTDI).

10. **(Original)** An imaging member in accordance with **claim 1** wherein said electron transport component is *N*-(1-methyl)hexyl,*N'*-propylcarboxyl-1,7,8,13-perylenetetracarboxylic diimide (1-MHPCPTDI).

11. **(Original)** An imaging member in accordance with **claim 1** wherein said electron transport component is carboxybenzyl naphthaquinone.

12. **(Original)** An imaging member in accordance with **claim 1** wherein said electron transport component is selected in an amount of from about 0.5 to about 20 weight percent, and wherein chemically attached is by grafting.

13. **(Original)** An imaging member in accordance with **claim 1** wherein said electron transport component is selected in an amount of from about 1 to about 10 weight percent, and wherein said chemically attached is by grafting.

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14. **(Original)** An imaging member in accordance with claim 1 wherein said hole blocking layer is of a thickness of about 2 to about 15 microns.

15. **(Original)** An imaging member in accordance with claim 1 comprised in the following sequence of said supporting substrate, said hole blocking layer, an adhesive layer, said photogenerating layer, and said charge transport layer, and wherein said charge transport layer is a hole transport layer.

16. **(Original)** An imaging member in accordance with claim 15 wherein the adhesive layer is comprised of a polyester with an M_w of from about 45,000 to about 75,000, and an M_n of from about 25,000 to about 40,000.

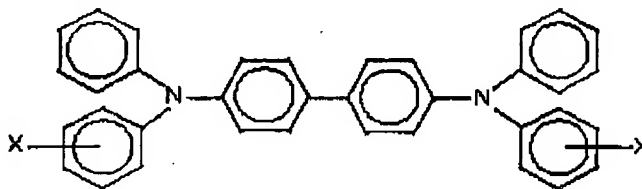
17. **(Original)** An imaging member in accordance with claim 1 wherein the supporting substrate is comprised of a conductive metal substrate, and optionally which substrate is aluminum, aluminized polyethylene terephthalate, or titanized polyethylene terephthalate.

18. **(Original)** An imaging member in accordance with claim 1 wherein said photogenerator layer is of a thickness of from about 0.05 to about 10 microns, and wherein said transport layer is of a thickness of from about 10 to about 50 microns.

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19. **(Original)** An imaging member in accordance with **claim 1** wherein the photogenerating layer is comprised of photogenerating pigments dispersed in a resinous binder in an optional amount of from about 5 percent by weight to about 95 percent by weight, and optionally wherein the resinous binder is selected from the group consisting of polyesters, polyvinyl butyrals, polycarbonates, polystyrene-b-polyvinyl pyridines, and polyvinyl formals.

20. **(Original)** An imaging member in accordance with **claim 1** wherein the charge transport layer comprises aryl amines, and which aryl amines are of the formula



wherein X is selected from the group consisting of alkyl and halogen.

21. **(Original)** An imaging member in accordance with **claim 20** wherein alkyl contains from about 1 to about 10 carbon atoms, or wherein alkyl contains from 1 to about 5 carbon atoms, or optionally wherein alkyl is methyl, wherein halogen is chloride, and wherein there is further included a resinous binder selected from the group consisting of polycarbonates and polystyrenes.

22. **(Original)** An imaging member in accordance with **claim 20** wherein the aryl amine is *N,N*-diphenyl-*N,N*-bis(3-methyl phenyl)-1,1'-biphenyl-4,4'-diamine.

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23. **(Original)** An imaging member in accordance with **claim 1** wherein the photogenerating layer is comprised of metal phthalocyanines, hydroxygallium phthalocyanines, chlorogallium phthalocyanines, or metal free phthalocyanines.

24. **(Original)** An imaging member in accordance with **claim 1** wherein the photogenerating layer is comprised of titanyl phthalocyanines, perylenes, or halogallium phthalocyanines.

25. **(Original)** An imaging member in accordance with **claim 1** wherein the photogenerating layer is comprised of chlorogallium phthalocyanines.

26. **(Original)** A method of imaging which comprises generating an electrostatic latent image on the imaging member of **claim 1**, developing the latent image, and transferring the developed electrostatic image to a suitable substrate.

27. **(Original)** A photoconductive imaging member comprised of a supporting component, a hole blocking layer thereover, a photogenerating layer, and a charge transport layer, and wherein the hole blocking layer is comprised of a component dispersed in polymeric binder, and said component is chemically attached on the surface of an electron transport component.

28. **(Original)** A photoconductor comprised of a hole blocking layer, a photogenerating layer, and a charge transport layer, and wherein said hole blocking layer is comprised of an electron transport component having attached thereto a metal oxide.

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29. **(New)** A xerographic device comprised of a charging component, a photoconductive component, a transfer component, a development component, and fusing component; and wherein the photoconductor component is comprised of a supporting substrate, a hole blocking layer thereover, a photogenerating layer, and a charge transport layer, and wherein the hole blocking layer is comprised of particles chemically attached on the surface of an electron transport component.